FIG.

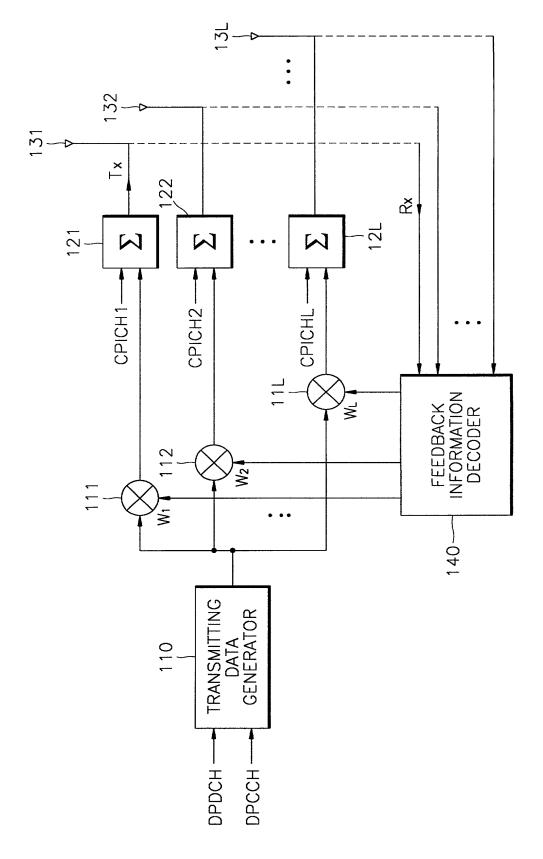


FIG. 2

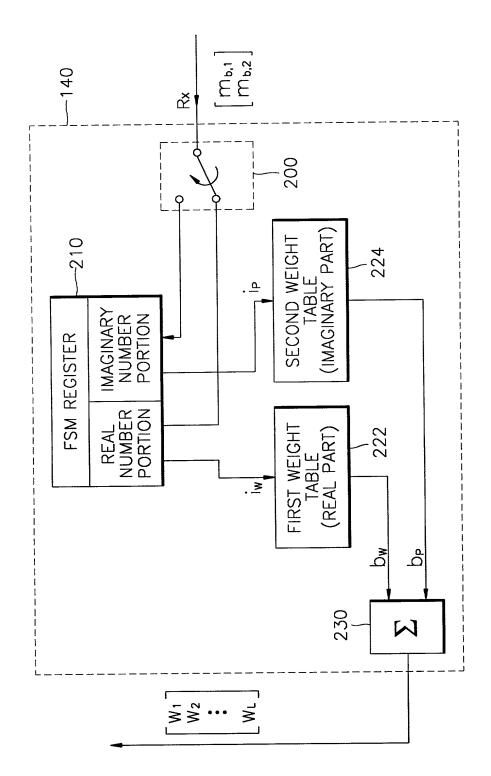


FIG. 3

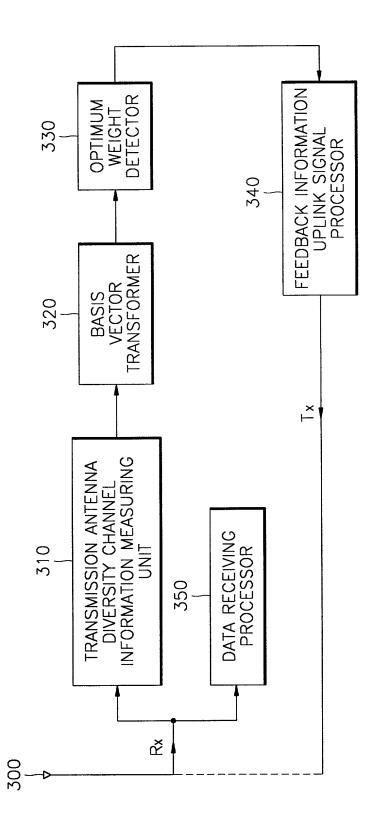


FIG. 4

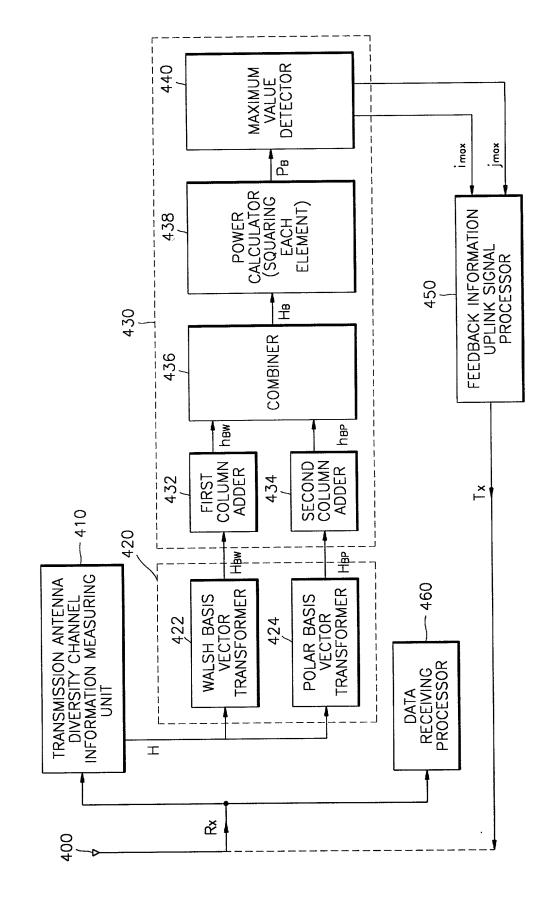


FIG. 5A

VECTOR	1 1]	1 - 1	1 -1 -1	[
>	-	1	_	<u> </u>
INDEX	0	-	2	2

FIG. 5B

	-	-		-
VECTOR	-		Ī	-
VEC		Ī	•	~
	[-1			1
INDEX	0	-	2	3

FIG. 5C

INDEX	VECTOR	INDEX	VECTOR
0	[1-] 1+] 1+]	80	[1+j 1+j 1-j 1+j]
~	[1-j -1+j 1+j -1+j]	თ	[1+j-1+j-1+j]
2	[1-j 1+j -1+j -1+j]	10	[1+j 1+j -1-j -1+j]
М	[1-j -1+j -1+j 1+j]	11	[1+j -1+j -1-j 1+j]
4	[1+j 1-j 1+j 1+j]	12	[1+j 1+j 1+j 1-j]
2	[1+j -1-j 1+j -1+j]	13	[1+j-1+j-1+j-1+j-1]
9	[1+j 1-j -1+j -1+j]	14	[1+j 1+j -1+j -1-j]
7	[1-j -1-j -1+j 1+j]	15	[1+j -1+j -1+j 1-j]

FIG. 6

SLOT N	SLOT NUMBER	0	-	2	3	•	14	15
FSM	00	bw(0) bP(0) bw(0) bP(0)	(0)aq	(0)mq	(0)aq	•	bw(0) bP(0)	bP(0)
	0.1	bw(1)	bw(1) $bp(1)$ $bw(1)$ $bp(1)$	bw(1)	bP(1)	•	bw(1) bP(1)	bP(1)
	10	bw(2)	bw(2) bP(2) bw(2) bP(2)	bw(2)	bP(2)	•	bw(2)	bw(2) bP(2)
	-	bw(3)	bw(3) bP(3) bw(3)	bw(3)	bP(3)	•	bw(3) bP(3)	bP(3)

FIG. 7

PARAMETER	VALUE	ТҮРЕ
NUMBER OF ANTENNAS	N _{ant} =4	
DURATION TIME IN A SLOT	$T_{slot} = 1/1500 \text{ sec}$	
NUMBER OF BASIS SETS FOR BASIS ROTATION	$N_{set} = 2$	CONSTANT
FEEDBACK COMMAND LENGTH IN SLOTS	$N_{\rm W}=2$	
NUMBER OF SELECTION INDEX BITS PER SIGNALING WORD	$N_{set} = log_2 N_{ant} = 2$	
NUMBER OF FEEDBACK INFORMATION BITS PER SLOT	$N_{FBD} = N_{set} / 1 = 2$	VARIABLE
FEEDBACK COMMAND UPDATE RATE	$F_{up} = (N_{FBD}/N_w)T_{slot} = 1500Hz$	
FEEDBACK BIT RATE	$N_{FBD}/T_{slot} = 3000bps$	